



8-18-06

Feb

Attorney Docket No. 023542-0145

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Moser et al.

Title: POLYMERASE
INHIBITOR AND
METHOD OF USING
SAME

Application No.: 10/551,705

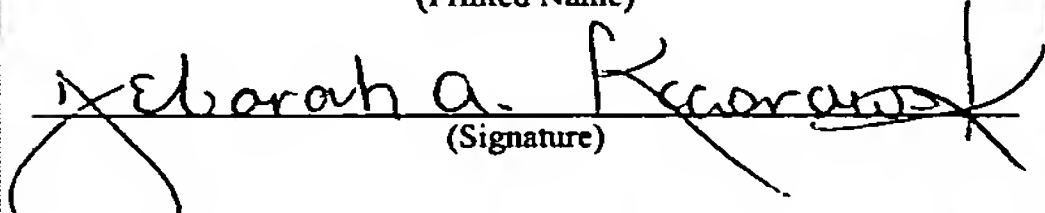
International
Filing Date: 04/01/2004

371(c) Date: Not yet assigned

Examiner: Not yet assigned

Art Unit: Not yet assigned

Confirmation No.: Not yet assigned

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EV 829868050 US (Express Mail Label Number)	August 17, 2006 (Date of Deposit)
Deborah A. Kocorowski (Printed Name)	
 (Signature)	

Mail Stop **AMENDMENT**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Transmitted herewith please find the following documents for the above-identified patent application.

- [X] Information Disclosure Statement Under 37 C.F.R. § 1.56 (2 pages).
- [X] Form PTO/SB/08 (4 pages) listing 82 references, enclosing copies of 11 foreign patent documents and copies of 23 non-patent documents (34 total copies).

Although the Applicants believe that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 50-2350.

Respectfully submitted,

Date 08-17-06

By Stephanie H. Vavra

FOLEY & LARDNER LLP
Customer Number: 61495

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Registration No. 45,178
Telephone: (414) 319-7305
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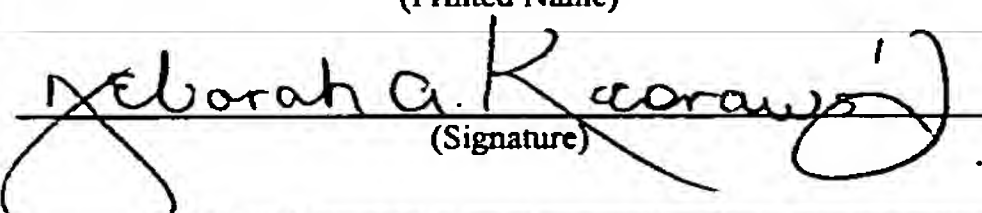
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56

Submitted herewith on Form PTO/SB/08 is a listing of documents known to the Applicants in order to comply with the Applicants' duty of disclosure pursuant to 37 C.F.R. § 1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 C.F.R. § 1.97 and § 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 C.F.R. § 1.56(b). The Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 C.F.R. § 1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

The Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with M.P.E.P. § 609.

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AUG 17 2006

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: August 17, 2006

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/551,705
International Filing Date	04/01/2004 (371(c) Date not yet assigned)
First Named Inventor	Michael James Moser
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	023542-0145

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1.	2006/0078936	A1	Grenier et al.	04-13-2006	
	A2.	2005/0084894	A1	Brow et al.	04-21-2005	
	A3.	2005/0014163	A1	Dong et al.	01-20-2005	
	A4.	2004/0106108	A1	Grenier et al.	06-03-2004	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: August 17, 2006

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Application Number	10/551,705
International Filing Date	04/01/2004 (371(c) Date not yet assigned)
First Named Inventor	Michael James Moser
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	023542-0145

Sheet 2 of 4

U.S. PATENT DOCUMENTS

		U.S. Patent Document			
	A42.	5,177,064		Bodor	01-05-1993
	A43.	5,126,439		Rappaport	06-30-1992
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UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A49.	WO	01/90417	A2	Marshall et al.	11-29-2001		
	A50.	EP	0 915 174	A1	Karube et al.	05-12-1999		
	A51.	WO	98/14610	A2	O'Neill et al.	04-09-1998		
	A52.	WO	97/46711	A1	Guo et al.	12-11-1997		
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	A54.	WO	96/31622	A1	Southern et al.	10-10-1996		
	A55.	WO	94/21820	A1	Wallace	09-29-1994		
	A56.	WO	92/11389	A1	Erlich et al.	07-09-1992		
	A57.	EP	0 416 817	B1	Newton	03-13-1991		
	A58.	EP	0 382 433	B1	Garman et al.	08-16-1990		
	A59.	WO	90/06042	A2	Hornes et al.	06-14-1990		

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NON PATENT LITERATURE DOCUMENTS

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	A60.	BIGGINS et al., "A continuous assay for DNA cleavage: The application of "break lights" to enediynes, iron-dependent agents, and nucleases", <u>PNAS</u> , Vol. 97, No. 25, December 5, 2000 (pp. 13537-13542).	
	A61.	COBIANCHI et al., "Enzymes for Modifying and Labeling DNA and RNA", <u>Methods in Enzymology</u> , Vol. 152, Copyright © 1987 by Academic Press, Inc., (pp. 94-110).	
	A62.	HALL et al., "Sensitive detection of DNA polymorphisms by the serial invasive signal amplification reaction", <u>PNAS</u> , Vol. 97, No. 15, July 18, 2000 (pp. 8272-8277).	
	A63.	HORLACHER et al., "Recognition by viral and cellular DNA polymerases of nucleosides bearing bases with nonstandard hydrogen bonding patterns", <u>Proc. Natl. Acad. Sci.</u> , Vol. 92, July 1995 (pp. 6329-6333).	
	A64.	JOHNSON et al., "A third base pair for the polymerase chain reaction: inserting isoC and isoG", <u>Nucleic Acids Research</u> , Vol. 32, No. 6, 2004, (pp. 1937-1941).	
	A65.	JURCZYK et al., "Synthesis of 2'-Deoxyisoguanosine 5'-Triphosphate and 2'-Deoxy-5-methylisocytidine 5'-Triphosphate", <u>Helvetica Chimica Acta</u> , Vol. 82, 1999 (pp. 1005-1015).	
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	A67.	LUTZ, STEFAN et al., "An <i>in vitro</i> screening technique for DNA polymerases that can incorporate modified nucleotides. Pseudothymidine as a substrate for thermostable polymerases", <u>Nucleic Acids Research</u> , Vol. 27, No. 13, 1999 (pp. 2792-2798).	
	A68.	MOSER et al., "Quantifying Mixed Populations of Drug-Resistant Human Immunodeficiency Virus type 1", <u>ANTIMICROBIAL AGENTS AND CHEMOTHERAPY</u> , Vol. 49, No. 8, Aug. 2005 (pp. 3334-3340).	
	A69.	MOSER et al., "Enzymatic repair of an expanded genetic information system", <u>Nucleic Acids Research</u> , Vol. 31, No. 27, 2003 (pp. 5048-5053).	
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	A73.	SEPIOL et al., "Tautomerism of Isoguanosine and Solvent-Induced Keto-Enol Equilibrium", <u>Z. Naturforsch.</u> , 1976 (pp. 361-370).	
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	A78.	TOR et al., "Site-Specific Enzymatic Incorporation of an Unnatural Base, N ⁶ -(6-Aminohexyl)isoguanosine, into RNA", J. Am. Chem. Soc., Vol. 115, No. 11, 1993 (pp. 4461-4467).	
	A79.	VON KROSIGK et al., "pH-Independent Triple Helix Formation by an Oligonucleotide Containing a Pyrazine Donor-Donor-Acceptor Base", J. Am. Chem. Soc., Vol. 117, No. 19, 1995 (pp. 5361-5362).	
	A80.	WALKER et al., "Isothermal <i>in vitro</i> amplification of DNA by a restriction enzyme/DNA polymerase system", <i>Proc. Natl. Acad. Sci.</i> , Vol. 89, January 1992 (pp. 392-396).	
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	A82.	ZUBAY, "A Case for an Additional RNA Base Pair in Early Evolution", Reprint from: <i>The Roots of Modern Biochemistry</i> , © 1988 Walter de Gruyter & Co., Berlin, New York (4 pp.).	

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